

PORSF 11.3.1251VI 04117190



MATERIAL SAFETY DATA SHEET

					1 10430	Tato consistent marrie			
	S	ECTION I NAME	AND P	RODUCT					
MANUFACTURER'S NAME				<u> </u>	CONTAC	ग			
NORTON COMPANY					THOMAS Z. RICHARD				
ADDRESS (STREET, CITY, STATE AND ZIP COL	DE)				EMERGE	NCY TELEPHONE NO.			
1 NEW BOND STREET, WORCESTER, MA 01615-0008						508-795-2690			
TRADE NAME, COMMON NAME OR SPECIFICA		oren, mix orono	0000			APPROVED BY			
DIAMOND OR CUBIC BOI		ITPINE CPININING	2 WHE	EIQ		in prester			
	TON IN	TRIDE GRINDING	A AALIE	ELS	DATE (April 17, 199	<u>'0</u>		
CHEMICAL FAMILY OR PRODUCT TYPE	ANY G	RADE							
SECTI	ON II	COMPOSITION PI	ER 290	CFR 1910.12	00 (G) (4)				
CHEMICAL NAME	MAX %	COMMON NAME	REG*	CAS #	OSHA PERMISSIVE EXPOSURE LIM	ACGIH TLV	CARC OGE (Y/N		
					 		+-		
Silver ****	85	Silver	Y	7440-22-4	.01mg/m³	.1mg/m³	N.		
Cobait ****	60	Cobalt	Y	7440-48-4	1mg/m³	.1mg/m³	N.		
Copper ****	85	Copper	Y	7440-50-8	1mg/m³	1mg/m³	N		
Tin	25	Tin	Y	7440-31-5	2mg/m³	2mg/m³	N		
Graphite	5	Graphite	Y	7782-42-5	15MPPCF	5mg/m³	N		
			Y		40 10	(Respirable Dust)			
Silicon Carbide **		73 Crystolon		409-21-2	10mg/m³	10mg/m³	N		
pha-Alumina Nickel ****	81	Alundum	Y	7144-28-1	(Total Dust)	(Total Dust)	+		
Nickel **** Phosphorus ****	82	Nickel	Y	7440-02-0	1mg/m³	1mg/m³	Υœ		
	3	Phosphorus	Y	7723-14-0 7439-96-5	0.1mg/m³	0.1mg/m³	N N		
Manganese Molybdenum	1	Manganese Molybdenum	Y -	7439-96-5	5mg/m³ 15mg/m³	5mg/m³ 10mg/m³	N		
Silicon Powder	5	Silicon Powder			**NAIF	10mg/m³	N		
Silicon Dioxide	<1		'	14808-60-7			Y		
*Materials are regulated by OSHA 29 CFF Know Regulations. *Listed by NTP as a C	1910.120		Standard,	and/or the Massac			ــــــــــــــــــــــــــــــــــــــ		
S BOILING POINT "NAIF		N III PHYSICAL A	VND CI		ATA SPECIFIC GRAVITY	2-4			
VAPOR PRESSURE "NAIF	PERCENT VOLATILE BY VOL "NAIF				VAPOR DENSITY **NAIF				
EVAPORATION RATE **NAIF	SOLUBILITY IN WATER Slight				SOLUBILITY IN ALCOHOL "NAIF				
SOLUBILITY IN OTHER SOLVENT "NAIF				CE AND ODOR DUCT: MAY GIVE	OFF ODOR IN USE.				
·	SEC	CTION IV SPECIA	L PRE	CAUTIONS					
PRECAUTIONS TO BE TAKEN IN HANDLING AI OTHER PRECAUTIONS: "*NAIF	ND STORAG	GE - NONE.				USEPA SF			
SEC	TION Y	/ CORROSIVITY	AND F	REACTIVITY	DATA	1265533			
STABILITY UNSTABLE X STA	BLE	POLYMERIA	ZATION	MAY OCC	IN MITT NO	T OCCUR	·		
**NAIF									
DECOMPOSITION PRODUCTS									

NAIR - NO APPI ICARI E INFORANTION FOLIND

CONDITIONS TO BE AVOIDED
**NAIF

*** N/A = NOT APPLICABLE

the grinding wheel components. Coolants may produce other decomposition products.

In use, dust and decomposing odors are generated. In most cases, the material removed from the workpiece will be significantly greater than

SECTION VI HEALTH, FIRST AID AND MEDICAL DATA					
PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION			
INHALATION (During Grinding)	ACUTE: COUGHING, SHORTNESS OF BREATH. CHRONIC: MAY AFFECT BREATHING CAPACITY.	REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ASSISTANCE.			
INGESTION (During Grinding)	NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.	OBTAIN MEDICAL ASSISTANCE.			
SKIN (During CONTACT & ABSORPTION		WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.			
EYE (During Grinding)	DUSTS MAY IRRITATE EYES.	WASH WITH LARGE AMOUNTS OF WATER OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF NEEDED.			
OTHER POTENTIAL HEALTH RISKS (During Grinding)	GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING AND MAY AGGRAVATE PREEXISTING RESPIRATORY CON- DITIONS:	OBTAIN MEDICAL ASSISTANCE. THERE IS LIMITED INFORMATION THAT CRYSTALLINE SILICA IS A CARCINOGEN.			

SECTION VII STORAGE, HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING SEE ANSI STANDARD B7.1.

NORMAL USE

HANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29CFR 1910.94 (VENTILATION) and 29CFR1910.1000 (AIR CONTAMINANTS)

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS.

NORMAL CLEANUP PROCEDURES.

WASTE DISPOSAL METHOD

STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

	SEC	TION VIII PERSONAL PROTECTION INFORMATION		
RESPIRATORY	PROTECTION (SI	PECIFY TYPE) AS NEEDED. FOR APPROVED DUST RESPIRATORS SEE OSHA 29CFR 1910.134.		
VENTILATION LOCAL	RECOMMENDED			
•	MECHANICAL (GENERAL)	RECOMMENDED		
,	OTHER	**NAIF		
PROTECTIVE (SLOVES	AS DESIRED BY USER		
EYE PROTECT	ION	RECOMMENDED SEE OSHA 29CFR 1910.133		
OTHER EQUIPI	MENT	AS NEEDED HEARING PROTECTION SEE OSHA 29CFR 1910.95 (HEARING PROTECTION)		
MEASURES TO WITH THIS MA		NG REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT		
		SEE SECTION VII & VIII		

SECTION IX FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT **	NAIF ME	THOD USED	***N/A	FLAMMABLE LIMITS	LEL N/A	UEL ***N/A	
EXTINGUISHING MED	IA	USE WA	TER				
SPECIAL FIRE FIGHTI	NG PROCEDURES	NONE	<u></u>				
EXPLOSION POTENTI	AL	**NAIF					

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